Background on the Authors

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Dr. James Anderson is the Chairman of the Department of Environmental and Natural Resource Economics at the University of Rhode Island in Providence, where he has been a professor since 1983. His research has focused on aquaculture markets, seafood safety, seafood price forecasting, analysis of seafood markets, market structure and other pricing mechanisms, and the relationship between the seafood market and environmental policies and regulation. Dr. Anderson has authored or co-authored four books, over 30 peer-reviewed articles, and multiple book chapters. He has served as editor of *Marine Resource Economics* since 1999. He received the Outstanding Ph.D. Thesis Award from the American Agricultural Economics Association (1984), Research Scientist of the Year Award from the University of Rhode Island's College of Environment and Life Sciences (1994), and the Article of the Year Award from the Editorial Board of *Agricultural and Resource Economics Review* (1995). Dr. Anderson holds a Ph.D. in Agricultural and Resource Economics from the University of California–Davis.

John Forster – Forster Consulting
Mr. John Forster is an aquaculture consultant with over 40 years of experience in the industry. Initially a government researcher in the United Kingdom, he moved to the business sector with Shearwater Fish Farming in 1974, where he ran a commercial trout farm and established an international technical services business. In 1984, Mr. Forster moved to Port Angeles, Washington, where he helped Stolt Sea Farm develop its West Coast salmon and sturgeon farming operations. In 1994, he founded Columbia River Fish Farms LLC, the largest U.S. producer of steelhead trout, and served as its president until 2005. A consultant to clients in both the public and private sectors, he has a special interest in the application of experience from the farmed salmon industry to new aquaculture species. He is currently the director of four aquaculture companies. He also serves on NOAA's Marine Fishery Advisory Committee, which advises the Secretary of Commerce on living marine resource matters.

Dr. Di Jin – Woods Hole Oceanographic Institution
Dr. Di Jin is an Associate Scientist at the Marine Policy Center of the Woods Hole Oceanographic Institution in Woods Hole, Massachusetts. He specializes in the economics of marine resources management and marine industries. Dr. Jin has substantial research experience with the commercial fishing and aquaculture industries, the offshore oil and gas industry, and the marine transportation industry, and has experience working on coastal management problems. His papers have been published in numerous journals, including *Aquaculture Economics and Management, Environmental and Resource Economics, Journal of Environmental Economics and Management, Land Economics,* and *Marine Resource Economics*. He holds a Ph.D. in Economics–Marine Resources from the University of Rhode Island.

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Dr. James Kirkley is a Professor of Marine Science in the Department of Fisheries Science at the College of William and Mary in Williamsburg, Virginia. From 2000 to 2005, Dr. Kirkley was the Chairman of the Department of Coastal and Ocean Policy at William and Mary. From 1978 to 1986, he was the Chief of Economic Investigations at NOAA's Northeast Fisheries Science Center in Gloucester, Massachusetts. His primary research interests include fisheries economics, marine policy, marine resource management, economic impact analysis, economic valuation of market and non-market goods and services, fisheries management, aquaculture, and fisheries production. He holds a Ph.D. in Agricultural and Resource Economics from the University of Maryland.

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Dr. Gunnar Knapp is a Professor of Economics at the University of Alaska's Institute of Social and Economic Research in Anchorage, where he has conducted a wide variety of research on Alaska's economy and natural resources, including markets for Alaska seafood and the management of the state's fisheries resources. In particular, Dr. Knapp has studied markets for Alaska salmon and other fish species and how they have been affected by competition from farmed salmon and other factors. He is also interested in how the Alaska seafood industry has responded to changes in world seafood markets. Dr. Knapp co-authored the 2007 report, *The Great Salmon Run: Competition Between Wild and Farmed Salmon*, which examines the economic and policy issues surrounding wild and farmed salmon in North America. Dr. Knapp holds a Ph.D. in Economics from Yale University.

Colin E. Nash – NOAA Fisheries Service (retired)
Mr. Colin Nash was Director of the Aquaculture Development and Coordination Programme at the Food and Agriculture Organization of the United Nations in Rome during the 1980s, followed by four years as the technical director of Cofrepêche, an international firm in France specializing in coastal management issues. After his return to the United States in 1998, Mr. Nash joined the aquaculture group at the NOAA Northwest Fisheries Science Center's Manchester Research Station near Seattle. For 10 years he was the Editor-in-Chief of the first aquaculture journal, *Aquaculture*. He has published a number of papers on aquaculture, including, most recently, *Guidelines for Ecological Risk Assessment of Marine Fish Aquaculture* (NOAA Technical Memo, December 2005) and *Achieving Policy Objectives to Increase the Value of the Seafood Industry in the United States: The Technical Feasibility and Associated Constraints* (*Food Policy*, December 2004). In 2005, Mr. Nash was made an Honorary Member of the European Aquaculture Society.

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Dr. Michael C. Rubino – NOAA Aquaculture Program
Dr. Michael Rubino is the manager of NOAA's Aquaculture Program. He joined the agency in 2004 to lead NOAA's renewed commitment to marine aquaculture. Most recently, Dr. Rubino was the Manager of New Funds Development for the World Bank's Carbon Finance Group. In the 1990s, Dr. Rubino worked at the International Finance Corporation, a private sector affiliate of the World Bank, where he developed renewable energy and biodiversity investment funds. Prior to that, he was the CEO of Bluewaters, Inc., an aquaculture research and development company, and a partner in Palmetto Aquaculture, a shrimp farm in South Carolina. Dr. Rubino also served as vice-chairman of the State of Maryland 's Aquaculture Advisory Committee. He holds a Ph.D. in Natural Resources from the University of Michigan.

Gina L. Shamshak – University of Rhode Island
Ms. Gina Shamshak is a Ph.D. candidate in Environmental and Natural Resource Economics at the University of Rhode Island. She holds M.A. and B.A. degrees in Economics from Boston University. In 2005, she was one of 40 students chosen nationally for the John A. Knauss Sea Grant Fellowship Program. Her research interests include fisheries and aquaculture economics and management, environmental policy, risk analysis, bioeconomic modeling, and international trade. Ms. Shamshak is currently researching the economics of bluefin tuna aquaculture for her dissertation.

Diego Valderrama – University of Rhode Island
Mr. Diego Valderrama is a Ph.D. candidate at the Department of Environmental and Natural Resource Economics, University of Rhode Island. He holds a B.S. degree in Marine Biology from the Universidad Jorge Tadeo Lozano (Bogota, Colombia) and an M.Sc. in Aquaculture and Fisheries from the University of Arkansas at Pine Bluff. He has published nearly a dozen journal articles and several book chapters on various issues in aquaculture and fisheries economics. He has extensive experience in the analysis of global shrimp and salmon markets. Mr. Valderrama has researched the economics of shrimp farming in Latin America, catfish farming in the southeastern United States, and the optimization of management strategies for sea scallop stocks in the northwest Atlantic Ocean. His current dissertation work involves analyzing market interactions between aquaculture and traditional capture fisheries, examining the economic climate of the Alaskan salmon fisheries, and formulating recommendations for improving competitiveness of the fishing industry with the aquaculture sector.